

### **3-in-1 Sensor** model 06008RM/3N1TXC



#### **Package Contents**

1. 3-in-1 Sensor
2. Mounting Hardware
3. Sensor Mounting Bracket
4. Instruction Manual

## **IMPORTANT**

PRODUCT MUST BE REGISTERED  
TO RECEIVE WARRANTY SERVICE

#### **PRODUCT REGISTRATION**

Register online  
to receive 1 year  
warranty protection

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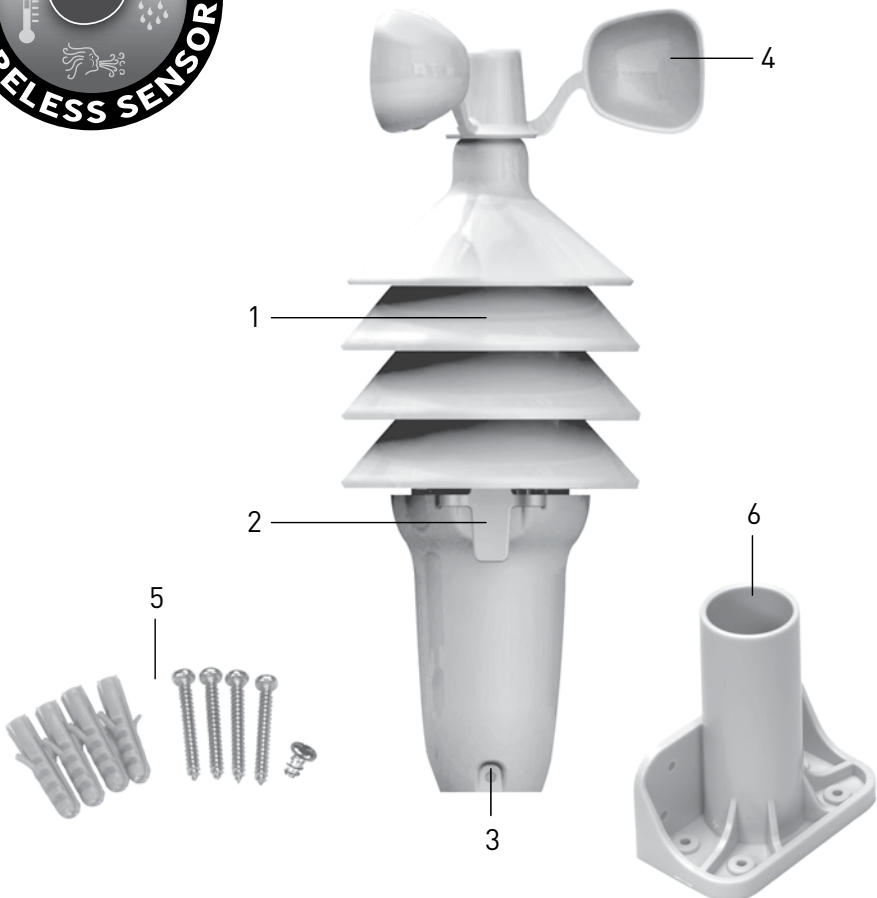
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**Questions?** Contact Customer Support at  
(877) 221-1252 or visit [www.AcuRite.com](http://www.AcuRite.com).

**SAVE THIS MANUAL FOR FUTURE REFERENCE.**

# Features & Benefits



## 3-in-1 SENSOR

- 1. **Temperature & Humidity Sensors**  
(internal)
- 2. **Release Lever for Battery Access**
- 3. **Mounting Point**
- 4. **Wind Speed Anemometer**

## 5. Mounting Hardware

Includes anchors and screws.

Qty	Diameter	Length
4	#4	1"
1	#6 or #8	1/4" or 3/8"

## 6. Mounting Bracket

## 7. A-B-C Switch (not shown)

## 3-IN-1 Sensor Setup

### 1 Set the A-B-C Switch

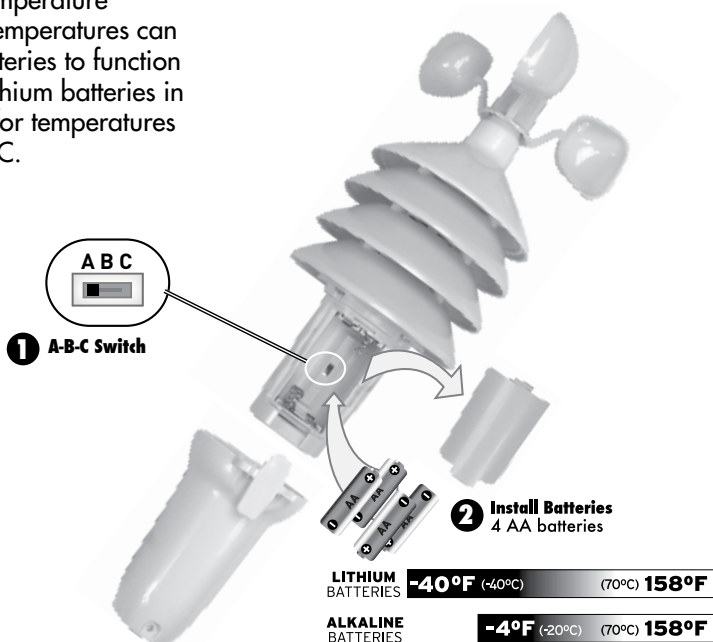
The A-B-C switch is located inside the battery compartment. It can be set to A, B or C. However, you must select the same letter choices for both the sensor and the unit it is being paired with in order for the units to synchronize.

### 2 Install or Replace Batteries

AcuRite recommends high quality alkaline or lithium batteries for the best product performance. Heavy duty or rechargeable batteries are not recommended.

The 3-in-1 sensor requires lithium batteries in low temperature conditions. Cold temperatures can cause alkaline batteries to function improperly. Use lithium batteries in the 3-in-1 sensor for temperatures below -4°F / -20°C.

1. Press the release lever and pull off the lower housing of the sensor.
2. Remove the battery compartment cover. Take note of the A-B-C switch setting inside the battery compartment.
3. Insert 4 x AA batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.
4. Replace the battery cover and lower housing of the sensor.



**PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.**

**BATTERY SAFETY:** Clean the battery contacts and also those of the device prior to battery installation. Remove batteries from equipment which is not to be used for an extended period of time. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (alkaline/standard). DO NOT use rechargeable batteries. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.

## Placement for Maximum Accuracy

AcuRite sensors are sensitive to surrounding environmental conditions. Proper placement of the sensor is critical to the accuracy and performance of this product.

### 3-in-1 Sensor Placement



The 3-in-1 sensor is designed to remain outdoors all year long. Choose an open location with no obstructions above or around the sensor for the most accurate measurements.

## Important Placement Guidelines

Sensor must be within 330 feet (100 m) of companion unit (not included).

### MAXIMIZE WIRELESS RANGE

Place sensor away from large metallic items, thick walls, metal surfaces, or other objects that may limit wireless communication.

### LOCATE AWAY FROM HEAT SOURCES

Position sensor away from heaters, air conditioners, chimneys, exhaust vents, asphalt and concrete (surfaces that radiate heat).

### LOCATE AWAY FROM HUMIDITY SOURCES

Avoid installing the sensor near pools, spas, or other bodies of water. Water sources may impact humidity accuracy.

### LOCATE AWAY FROM SPRINKLER HEADS

DO NOT install the sensor where it will be sprayed by a sprinkler system. This may force water inside the sensor.

### LOCATE AWAY FROM WIND OBSTRUCTIONS

DO NOT mount the sensor with obstructions around it. Consider a location that is a wide open area, with few structures around to ensure accurate wind speed measurement.

Visit us online to view installation photos and video, or learn more about AcuRite technology:

**[www.AcuRite.com/3in1](http://www.AcuRite.com/3in1)**



View Video

For more information, visit our Knowledge Base at <http://www.AcuRite.com/kbase>

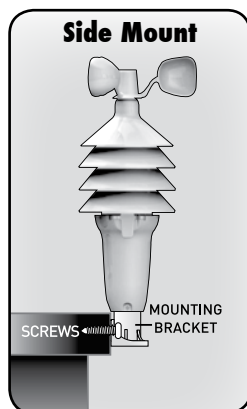
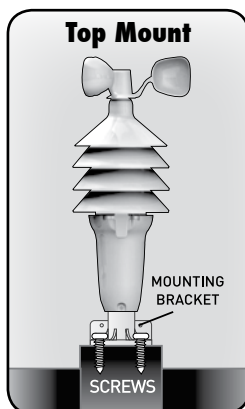
## 3-in-1 Sensor Installation Guidelines

**INSTALLATION HEIGHT** Mount the sensor at least 5 feet (1.5 meters) off the ground (higher is better for wind measurement) in an open area. Secure to fence post, 2"x4" wood, 3/4" pole, etc. (not included)

**LEVEL INSTALLATION** Use a bubble level (not included) to ensure level installation for accurate wind measurement.

### Top or Side Mount

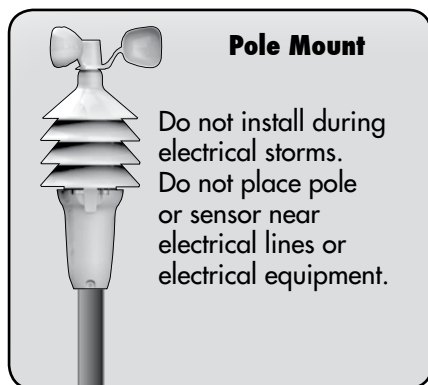
1. Insert the mounting base into the hole on the bottom of the sensor.
2. Use one of the screws included in the hardware bag to fasten the lower sensor housing to the mounting base.
3. Fasten mounting base to a post or railing using 2 screws.



### Pole Mount

1. Insert pole (we recommend 3/4" schedule 40 PVC / 25.8 mm O.D., not included) or similar item all the way into the hole on the bottom of the sensor. Note: Mounting base is not used.
2. Use one of the screws included in the hardware bag to fasten the lower sensor housing securely to the pole.

*The 3-in-1 sensor is now ready to use.*



## Clear Data Collected During Installation

When installation is complete, clear erroneous data from companion unit (not included). Please refer to the companion unit's instructions for details.

## Basic Setup is Complete

The 3-in-1 sensor will now synchronize. It may take a few minutes for synchronization to complete.

# Care & Maintenance

## 3-in-1 Sensor Care

### Clean the Sensor

Clean with a soft, damp cloth. Do not use caustic cleaners or abrasives.

### Insect Prevention

Insects may cause obstructions and interrupt data by nesting in or on the 3-in-1 sensor. To limit this problem, spray sensor housing with a household insect repellent. Note: Insect repellent should not be sprayed on the internal components or into the sensor. Consult insect repellent instructions prior to use.

### Snow & Freezing Weather

The 3-in-1 sensor will not be damaged by freezing conditions.

### Clean the Wind Anemometer

Remove foreign matter from the outside of the sensor for free movement of the wind anemometer. If needed, use a small amount of spray lubricant, clear silicone or graphite powder on the anemometer for improved movement. Note: Spray lubricant, clear silicone or graphite powder should not be sprayed on the internal components or into the sensor.

## Customer Support

AcuRite customer support is committed to providing you with best-in-class service. **For assistance**, please have the model number of this product available and contact us in any of the following ways:



(877) 221-1252



info@chaney-inst.com

24/7 support at [www.AcuRite.com](http://www.AcuRite.com)

- ▶ Installation Videos
- ▶ Register your Product
- ▶ Instruction Manuals
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## Specifications

TEMPERATURE RANGE	Outdoor: -40°F to 158°F; -40°C to 70°C
HUMIDITY RANGE	Outdoor: 1% to 99%
WIND SPEED	0 to 99 mph; 0 to 159 kph
WIRELESS RANGE	330 ft / 100 m depending on home construction materials
OPERATING FREQUENCY	433 MHz
POWER	Sensor: 4 x AA alkaline or lithium batteries
DATA REPORTING	Wind Speed: 18 second updates
	Outdoor temperature & humidity: 18 second updates

## FCC Information

This device complies with part 15 of FCC rules. Operation is subject to the following two conditions:

1- This device may NOT cause harmful interference, and

2- This device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**NOTE:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation of the device.

## Limited One Year Warranty

At AcuRite, we proudly uphold our commitment to quality technology. Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase.

We recommend that you visit us at [www.AcuRite.com](http://www.AcuRite.com) for the fastest way to register your product. However, product registration does not eliminate the need to retain your original proof of purchase in order to obtain warranty benefits.

Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase. Remedy for breach of this warranty is limited to repair or replacement of the defective item(s). Any product which, under normal use and service, is proven to breach the warranty contained herein within ONE YEAR from date of sale will, upon examination by Chaney, and at its sole option, be repaired or replaced by Chaney. Transportation costs and charges for returned goods shall be paid for by the purchaser. Chaney hereby disclaims all responsibility for such transportation costs and charges. This warranty will not be breached, and Chaney will give no credit

for products it manufactures which have received normal wear and tear, been damaged (including by acts of nature), tampered, abused, improperly installed, damaged in shipping, or repaired or altered by others than authorized representatives of Chaney.

The above-described warranty is expressly in lieu of all other warranties, express or implied, and all other warranties are hereby expressly disclaimed, including without limitation the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. Chaney expressly disclaims all liability for special, consequential or incidental damages, whether arising in tort or by contract from any breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Chaney further disclaims all liability from personal injury relating to its products to the extent permitted by law. By acceptance of any of Chaney's products, the purchaser assumes all liability for the consequences arising from their use or misuse. No person, firm or corporation is authorized to assume for Chaney any other liability in connection with the sale of its products. Furthermore, no person, firm or corporation is authorized to modify or waive the terms of this paragraph, and the preceding paragraph, unless done in writing and signed by a duly authorized agent of Chaney. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**For in-warranty claims:** Chaney Instrument Co.  
965 Wells St., Lake Geneva, WI 53147

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